

C Sanjeeviraja

List of Publications by Year in descending order

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222
papers

6,621
citations

57758

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224
docs citations

224
times ranked

7123
citing authors

#	ARTICLE	IF	CITATIONS
1	XRD and XPS characterization of mixed valence Mn ₃ O ₄ hausmannite thin films prepared by chemical spray pyrolysis technique. <i>Applied Surface Science</i> , 2010, 256, 2920-2926.	6.1	299
2	Optical constants and dispersion energy parameters of NiO thin films prepared by radio frequency magnetron sputtering technique. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	172
3	High Performance Solid-State Electric Double Layer Capacitor from Redox Mediated Gel Polymer Electrolyte and Renewable Tamarind Fruit Shell Derived Porous Carbon. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 10541-10550.	8.0	162
4	Synthesis of Bi ₂ WO ₆ nanoparticles and its electrochemical properties in different electrolytes for pseudocapacitor electrodes. <i>Electrochimica Acta</i> , 2013, 109, 720-731.	5.2	156
5	Physical properties of ZnO thin films deposited at various substrate temperatures using spray pyrolysis. <i>Physica B: Condensed Matter</i> , 2010, 405, 2226-2231.	2.7	155
6	Preparation and characterization of spray deposited n-type WO ₃ thin films for electrochromic devices. <i>Materials Research Bulletin</i> , 2004, 39, 1479-1489.	5.2	134
7	Visible light driven photocatalytic degradation of Rhodamine B and Direct Red using cobalt oxide nanoparticles. <i>Ceramics International</i> , 2015, 41, 9301-9313.	4.8	117
8	Spray pyrolysis growth and material properties of In ₂ O ₃ films. <i>Journal of Crystal Growth</i> , 2002, 240, 142-151.	1.5	112
9	Optoelectronic and electrochemical properties of nickel oxide (NiO) films deposited by DC reactive magnetron sputtering. <i>Physica B: Condensed Matter</i> , 2008, 403, 4104-4110.	2.7	112
10	Preparation and characterization of electron beam evaporated WO ₃ thin films. <i>Optical Materials</i> , 2007, 29, 679-687.	3.6	110
11	Cathodic electrodeposition and analysis of SnS films for photoelectrochemical cells. <i>Materials Chemistry and Physics</i> , 2001, 71, 40-46.	4.0	109
12	Synthesis and physico-chemical property evaluation of PANI@NiFe ₂ O ₄ nanocomposite as electrodes for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2013, 553, 350-357.	5.5	106
13	A study on polymer blend electrolyte based on PVA/PVP with proton salt. <i>Polymer Bulletin</i> , 2014, 71, 1061-1080.	3.3	97
14	Electrodeposition of Sn, Se, SnSe and the material properties of SnSe films. <i>Thin Solid Films</i> , 1999, 357, 119-124.	1.8	90
15	Brush plating of tin(II) selenide thin films. <i>Journal of Crystal Growth</i> , 2002, 234, 421-426.	1.5	86
16	Characterization on electron beam evaporated λ -MoO ₃ thin films by the influence of substrate temperature. <i>Current Applied Physics</i> , 2007, 7, 51-59.	2.4	84
17	Preparation of activated carbon from sorghum pith and its structural and electrochemical properties. <i>Materials Research Bulletin</i> , 2011, 46, 413-419.	5.2	82
18	Assessment of CuO thin films for its suitability as window absorbing layer in solar cell fabrications. <i>Materials Research Bulletin</i> , 2015, 68, 1-8.	5.2	82

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19	Microwave assisted combustion synthesis of CdFe ₂ O ₄ : Magnetic and electrical properties. Journal of Magnetism and Magnetic Materials, 2012, 324, 2100-2107.	2.3	79
20	Structural, vibrational, thermal, and electrical properties of PVA/PVP biodegradable polymer blend electrolyte with CH ₃ COONH ₄ . Ionics, 2013, 19, 1105-1113.	2.4	79
21	Improved electrochromic performance of a radio frequency magnetron sputtered NiO thin film with high optical switching speed. RSC Advances, 2016, 6, 79668-79680.	3.6	78
22	Spray pyrolysed tin disulphide thin film and characterisation. Journal of Crystal Growth, 2002, 234, 683-689.	1.5	76
23	Influence of post-deposition heat treatment on optical properties derived from UV-vis of cadmium telluride (CdTe) thin films deposited on amorphous substrate. Applied Surface Science, 2015, 344, 89-100.	6.1	76
24	Optical, electrical and sensing properties of In ₂ O ₃ nanoparticles. Materials Science in Semiconductor Processing, 2013, 16, 686-695.	4.0	72
25	CuFe ₂ O ₄ /SnO ₂ nanocomposites as anodes for Li-ion batteries. Journal of Power Sources, 2006, 157, 522-527.	7.8	71
26	Synthesis and impedance analysis of proton-conducting polymer electrolyte PVA:NH ₄ F. Ionics, 2013, 19, 1437-1447.	2.4	69
27	Investigation of x-ray photoelectron spectroscopic (XPS), cyclic voltammetric analyses of WO ₃ films and their electrochromic response in FTO/WO ₃ /electrolyte/FTO cells. Smart Materials and Structures, 2006, 15, 877-888.	3.5	68
28	Growth mechanism and optoelectronic properties of nanocrystalline In ₂ O ₃ films prepared by chemical spray pyrolysis of metal-organic precursor. Physica B: Condensed Matter, 2008, 403, 544-554.	2.7	67
29	Rapid synthesis of nanocrystalline ZnO by a microwave-assisted combustion method. Powder Technology, 2012, 226, 29-33.	4.2	67
30	Structural and electrical studies of nano structured Sn _{1-x} Sb _x O ₂ (x=0.0, 1, 2.5, 4.5 and 7 at%) prepared by co-precipitation method. Journal of Materials Science: Materials in Electronics, 2010, 21, 343-348.	2.2	66
31	Development of a novel high optical quality ZnO thin films by PLD for UV opto-electronic devices. Current Applied Physics, 2006, 6, 103-108.	2.4	64
32	Spray pyrolysis deposition and characterization of highly (100) oriented magnesium oxide thin films. Crystal Research and Technology, 2007, 42, 867-875.	1.3	64
33	Structural, dielectric, and conductivity studies of yttrium-doped LiNiPO ₄ cathode materials. Ionics, 2011, 17, 201-207.	2.4	60
34	Lithium ion conducting solid polymer blend electrolyte based on bio-degradable polymers. Bulletin of Materials Science, 2013, 36, 333-339.	1.7	60
35	Facile synthesis of nanostructured monoclinic bismuth vanadate by a co-precipitation method: Structural, optical and photocatalytic properties. Materials Science in Semiconductor Processing, 2015, 30, 343-351.	4.0	58
36	Thermal and structural properties of spray pyrolysed CdS thin film. Bulletin of Materials Science, 2005, 28, 233-238.	1.7	56

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37	Photoelectrochemical characteristics of brush plated tin sulfide thin films. <i>Solar Energy Materials and Solar Cells</i> , 2003, 79, 57-65.	6.2	55
38	Size dependent electrical and magnetic properties of ZnFe ₂ O ₄ nanoparticles synthesized by the combustion method: Comparison between aspartic acid and glycine as fuels. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 354, 363-371.	2.3	53
39	Effect of solution molarity on optical dispersion energy parameters and electrochromic performance of Co ₃ O ₄ films. <i>Optical Materials</i> , 2017, 72, 717-729.	3.6	52
40	Electrodeposition of p-WS ₂ thin film and characterisation. <i>Journal of Crystal Growth</i> , 2001, 226, 67-72.	1.5	50
41	Structural, electrochromic and FT-IR studies on electrodeposited tungsten trioxide films. <i>Current Applied Physics</i> , 2003, 3, 171-175.	2.4	49
42	Physical properties of electron beam evaporated CdTe and CdTe:Cu thin films. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	49
43	Structural and optical studies on nickel oxide thin film prepared by nebulizer spray technique. <i>Physica B: Condensed Matter</i> , 2014, 452, 1-6.	2.7	49
44	Studies on the effect of substrate temperature on (V ⁵⁺ /V ⁴⁺) textured tungsten oxide (WO ₃) thin films on glass, SnO ₂ :F substrates by PVD:EBE technique for electrochromic devices. <i>Materials Chemistry and Physics</i> , 2004, 87, 439-445.	4.0	48
45	Tuning the morphology of metastable MnS films by simple chemical bath deposition technique. <i>Applied Surface Science</i> , 2015, 353, 449-458.	6.1	46
46	Effect of reaction time on the synthesis and electrochemical properties of Mn ₃ O ₄ nanoparticles by microwave assisted reflux method. <i>Applied Surface Science</i> , 2012, 259, 624-630.	6.1	45
47	Pulsed electrodeposition and characterization of molybdenum diselenide thin film. <i>Materials Research Bulletin</i> , 2005, 40, 135-147.	5.2	44
48	Synthesis and characterization of CuFe ₂ O ₄ /CeO ₂ nanocomposites. <i>Materials Chemistry and Physics</i> , 2008, 112, 373-380.	4.0	44
49	An electrochromic device (ECD) cell characterization on electron beam evaporated MoO ₃ films by intercalating/deintercalating the H ⁺ ions. <i>Current Applied Physics</i> , 2007, 7, 76-86.	2.4	43
50	Preparation and characterization of ZnO thin films on InP by laser-molecular beam epitaxy technique for solar cells. <i>Journal of Crystal Growth</i> , 2001, 226, 281-286.	1.5	42
51	Thermal properties of nano crystalline CdS. <i>Crystal Research and Technology</i> , 2004, 39, 617-622.	1.3	42
52	Highly textured ZnO thin films: a novel economical preparation and approachment for optical devices, UV lasers and green LEDs. <i>Materials Chemistry and Physics</i> , 2004, 85, 257-262.	4.0	41
53	Spray deposition and property analysis of anatase phase titania (TiO ₂) nanostructures. <i>Thin Solid Films</i> , 2010, 519, 129-135.	1.8	41
54	A novel way of modifying the thermal gradient in Vertical Bridgman-Stockbarger Technique and studies on its effect on the growth of benzophenone single crystals. <i>Crystal Research and Technology</i> , 2004, 39, 692-698.	1.3	39

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55	High coloration efficiency, high reversibility and fast switching response of nebulized spray deposited anatase TiO ₂ thin films for electrochromic applications. <i>Electrochimica Acta</i> , 2017, 255, 358-368.	5.2	39
56	Pulsed electrodeposition and characterisation of tungsten diselenide thin films. <i>Materials Chemistry and Physics</i> , 2003, 81, 78-83.	4.0	36
57	Optical and structural study of electrodeposited zinc selenide thin films. <i>Materials Chemistry and Physics</i> , 2007, 106, 215-221.	4.0	36
58	Combustion synthesis and characterization of spherical MnMoO_4 nanoparticles. <i>Powder Technology</i> , 2012, 215-216, 98-103.	4.2	34
59	Effect of nitrogen doped titanium dioxide (N-TiO ₂) thin films by jet nebulizer spray technique suitable for photoconductive study. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 3573-3582.	2.2	34
60	Analysis of optical dispersion parameters and electrochromic properties of manganese-doped Co ₃ O ₄ dendrite structured thin films. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 122, 118-129.	4.0	34
61	Preparation and characterization of tin diselenide thin film by spray pyrolysis technique. <i>Materials Research Bulletin</i> , 2004, 39, 2193-2201.	5.2	33
62	Intercalation studies on electron beam evaporated MoO ₃ films for electrochemical devices. <i>Solar Energy Materials and Solar Cells</i> , 2006, 90, 2438-2448.	6.2	33
63	Synthesis and materials properties of transparent conducting In ₂ O ₃ films prepared by sol-gel-spin coating technique. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 1380-1389.	4.0	32
64	Growth of ZnSe thin layers on different substrates and their structural consequences with bath temperature. <i>Physica B: Condensed Matter</i> , 2010, 405, 2485-2491.	2.7	32
65	Influence of substrate temperature on structural and optical properties of ZnO thin films prepared by cost-effective chemical spray pyrolysis technique. <i>Superlattices and Microstructures</i> , 2016, 90, 313-320.	3.1	32
66	Amorphous to crystalline transition and optoelectronic properties of nanocrystalline indium tin oxide (ITO) films sputtered with high rf power at room temperature. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 1508-1516.	3.1	31
67	Facile fabrication of spinel structured n-type CuAl ₂ O ₄ thin film with nano-grass like morphology by sputtering technique. <i>Applied Surface Science</i> , 2019, 483, 601-615.	6.1	31
68	Tuning the morphology of Cr ₂ O ₃ :CuO (50:50) thin films by RF magnetron sputtering for room temperature sensing application. <i>Applied Surface Science</i> , 2019, 466, 703-714.	6.1	31
69	Growth of urea doped benzophenone single crystal for nonlinear optical applications. <i>Optical Materials</i> , 2006, 28, 324-330.	3.6	29
70	MeV N ⁺ -ion irradiation effects on MoO_3 thin films. <i>Journal of Applied Physics</i> , 2007, 101, 034913.	2.5	29
71	Low temperature TiO ₂ rutile phase thin film synthesis by chemical spray pyrolysis (CSP) of titanyl acetylacetonate. <i>Materials Science in Semiconductor Processing</i> , 2010, 13, 389-394.	4.0	29
72	Review of material properties of (Mo/W)Se ₂ -layered compound semiconductors useful for photoelectrochemical solar cells. <i>Crystallography Reviews</i> , 2011, 17, 281-301.	1.5	29

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73	AC impedance studies on proton-conducting PAN $\hat{\epsilon}$: $\hat{\epsilon}$ NH ₄ SCN polymer electrolytes. <i>Ionics</i> , 2014, 20, 1391-1398.	2.4	29
74	Preparation and characterization of PVA complexed with amino acid, proline. <i>Ionics</i> , 2015, 21, 387-399.	2.4	29
75	Optoelectronic properties of R-F magnetron sputtered Cadmium Tin Oxide (Cd ₂ SnO ₄) thin films for CdS/CdTe thin film solar cell applications. <i>Journal of Alloys and Compounds</i> , 2015, 620, 185-191.	5.5	29
76	Electrochromic properties of radio frequency magnetron sputter deposited mixed Nb ₂ O ₅ :MoO ₃ (95:5) thin films cycled in H ⁺ and Li ⁺ ions. <i>Materials Science in Semiconductor Processing</i> , 2015, 30, 31-40.	4.0	28
77	Preparation of Zinc Selenide Thin Films by Electrodeposition Technique for Solar Cell Applications. <i>Physica Status Solidi A</i> , 1997, 163, R11-R12.	1.7	27
78	Preparation of layered semiconductor (MoSe ₂) by electrosynthesis. <i>Vacuum</i> , 2001, 60, 431-435.	3.5	27
79	Lithium Ion Conducting Polymer Electrolyte Based on Poly (Vinyl Alcohol) $\hat{\epsilon}$ Poly (Vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Polymeric Biomaterials, 2012, 61, 1164-1175.	3.4	27
80	Physicochemical properties of V ⁵⁺ doped LiCoPO ₄ as cathode materials for Li-ion batteries. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 65, 399-410.	2.4	27
81	Fast electrochromic response of porous-structured cobalt oxide (Co ₃ O ₄) thin films by novel nebulizer spray pyrolysis technique. <i>Ionics</i> , 2016, 22, 1911-1926.	2.4	27
82	Studies on Electrochromic Properties of RF Sputtered Vanadium Oxide: Tungsten Oxide Thin Films. <i>Materials Today: Proceedings</i> , 2016, 3, S30-S39.	1.8	27
83	Coloration and bleaching mechanism of tungsten oxide thin films in different electrolytes. <i>Surface Engineering</i> , 2007, 23, 373-379.	2.2	26
84	Influence of thickness on the microstructural, optoelectronic and morphological properties of nanocrystalline ZnSe thin films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 171, 93-98.	3.5	26
85	Synthesis and Characterization of SnO ₂ Nanopowder Prepared by Precipitation Method. <i>Journal of Dispersion Science and Technology</i> , 2010, 31, 1178-1181.	2.4	26
86	Effects of annealing temperature on structural, optical, and electrical properties of antimony-doped tin oxide thin films. <i>Philosophical Magazine Letters</i> , 2010, 90, 337-347.	1.2	26
87	Optimization of sintering on the structural, electrical and dielectric properties of SnO ₂ coated CuFe ₂ O ₄ nanoparticles. <i>Materials Chemistry and Physics</i> , 2006, 99, 109-116.	4.0	25
88	Thermal and optical properties of Cd ₂ SnO ₄ thin films using photoacoustic spectroscopy. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 98, 919-925.	2.3	25
89	Structural, optoelectronic and electrochemical properties of nickel oxide films. <i>Journal of Materials Science: Materials in Electronics</i> , 2009, 20, 953-957.	2.2	24
90	Synthesis and structure refinement studies of LiNiVO ₄ electrode material for lithium rechargeable batteries. <i>Ionics</i> , 2013, 19, 17-23.	2.4	24

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91	Preparation of rod shaped nickel oxide thin films by a novel and cost effective nebulizer technique. <i>Materials Science in Semiconductor Processing</i> , 2014, 27, 1042-1049.	4.0	24
92	Efficient electrochromic performance of anatase TiO ₂ thin films prepared by nebulized spray deposition method. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 1825-1838.	2.5	23
93	Modification of WO ₃ thin films by MeV N ⁺ -ion beam irradiation. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 186204.	1.8	22
94	Characterization of electrosynthesized iron diselenide thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2008, 19, 1086-1091.	2.2	22
95	Surfactant assisted sonochemical synthesis of Bi ₂ WO ₆ nanoparticles and their improved electrochemical properties for use in pseudocapacitors. <i>RSC Advances</i> , 2014, 4, 4343-4352.	3.6	22
96	Electrosynthesis and characterisation of n-WSe ₂ thin films. <i>Materials Chemistry and Physics</i> , 2003, 77, 397-401.	4.0	21
97	Electron beam evaporated molybdenum oxide films: a study of elemental and surface morphological properties. <i>Smart Materials and Structures</i> , 2005, 14, 1204-1209.	3.5	21
98	Characterization of Tin disulphide thin films prepared at different substrate temperature using spray pyrolysis technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2011, 22, 929-935.	2.2	21
99	Effect of sputtering power on properties and photovoltaic performance of CIGS thin film solar cells. <i>Materials Research Innovations</i> , 2017, 21, 286-293.	2.3	21
100	Electrochromic performance of chromium-doped Co ₃ O ₄ nanocrystalline thin films prepared by nebulizer spray technique. <i>Journal of Alloys and Compounds</i> , 2019, 784, 49-59.	5.5	21
101	Growth and characterization of ZnSe and phosphorus-doped ZnSe single crystals. <i>Journal of Crystal Growth</i> , 2002, 235, 195-200.	1.5	20
102	Materials properties of electrodeposited Sn _{0.5} Se _{0.5} films and characterization of photoelectrochemical solar cells. <i>Materials Research Bulletin</i> , 2003, 38, 899-908.	5.2	20
103	Influence of pH and fuels on the combustion synthesis, structural, morphological, electrical and magnetic properties of CoFe ₂ O ₄ nanoparticles. <i>Materials Research Bulletin</i> , 2015, 71, 122-132.	5.2	20
104	Studies on the brush plated SnS thin films. <i>Journal of Materials Science Letters</i> , 2001, 20, 381-383.	0.5	19
105	Tunable morphology with selective faceted growth of visible light active TiO ₂ thin films by facile hydrothermal method: structural, optical and photocatalytic properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 5020-5032.	2.2	19
106	Self assembled sulfur induced interconnected nanostructure TiO ₂ electrode for visible light photoresponse and photocatalytic application. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 91, 148-160.	2.7	19
107	Photocatalytic degradation of methylene blue dye using ZnWO ₄ catalyst prepared by a simple co-precipitation technique. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 97, 572-580.	2.4	19
108	Growth and characterization of CdS and doped CdS single crystals. <i>Journal of Crystal Growth</i> , 2002, 243, 117-123.	1.5	18

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109	Conductivity and dielectric studies on LiCeO ₂ . Journal of Rare Earths, 2010, 28, 435-438.	4.8	18
110	Evolution of structural disorder using Raman spectra and Urbach energy in GeSe _{0.5} S _{1.5} thin films. Journal of Non-Crystalline Solids, 2014, 405, 21-26.	3.1	18
111	Effect of substrate temperature on the properties of Nb ₂ O ₅ :MoO ₃ (90:10) thin films prepared by rf magnetron sputtering technique. Journal of Alloys and Compounds, 2015, 649, 112-121.	5.5	18
112	Epi-n-IZO thin films/ \sim 100% Si, GaAs and InP by L-MBE—a novel feasibility study for SIS type solar cells. Solar Energy, 2004, 77, 193-201.	6.1	17
113	Study of NiFe ₂ O ₄ nanoparticles using Mössbauer spectroscopy with a high velocity resolution. Hyperfine Interactions, 2013, 219, 7-12.	0.5	17
114	Effect of substrate temperature on nebulized spray pyrolysed In ₂ S ₃ thin films. Journal of Materials Science: Materials in Electronics, 2016, 27, 4437-4446.	2.2	17
115	Optical frequency doubling in microtube Czochralski (¼T-CZ) grown benzophenone single crystals. Journal of Crystal Growth, 2005, 281, 596-603.	1.5	16
116	Studies on transparent spinel magnesium indium oxide thin films prepared by chemical spray pyrolysis. Thin Solid Films, 2008, 517, 510-516.	1.8	16
117	Pulsing frequency induced change in optical constants and dispersion energy parameters of WO ₃ films grown by pulsed direct current magnetron sputtering. Journal of Applied Physics, 2014, 115, .	2.5	16
118	Studies on the structural, optical, and electrical properties of jet-nebulized spray pyrolysis ITO thin films. Journal of Materials Science: Materials in Electronics, 2015, 26, 2531-2537.	2.2	16
119	MnS thin films prepared by a simple and novel nebulizer technique: report on the structural, optical, and dispersion energy parameters. Journal of Materials Science: Materials in Electronics, 2015, 26, 3670-3684.	2.2	16
120	Effect of Annealing on Structural, Surface and Optical Properties Of PVD-EBE \pm -MoO ₃ Thin Films For Electrochromic Devices. Surface Engineering, 2004, 20, 385-390.	2.2	15
121	Thermal and optical properties of Cd _{1-x} Zn _x S thin films by photoacoustics. Journal of Materials Science, 2006, 41, 5907-5914.	3.7	15
122	Structural, electrical and electrochemical studies of LiCoVO ₄ cathode material for lithium rechargeable batteries. Powder Technology, 2013, 235, 454-459.	4.2	15
123	Enhancement in threshold voltage with thickness in memory switch fabricated using GeSe _{1.5} S _{0.5} thin films. Journal of Alloys and Compounds, 2014, 615, 629-635.	5.5	15
124	High temperature grown transition metal oxide thin films: tuning physical properties by MeV N ⁺ -ion bombardment. Journal Physics D: Applied Physics, 2008, 41, 125304.	2.8	14
125	Influence of substrate temperature on the properties of electron beam evaporated ZnSe films. Crystal Research and Technology, 2010, 45, 421-426.	1.3	14
126	Structural, optical, and electrical properties of electron beam evaporated CdSe thin films. Crystal Research and Technology, 2010, 45, 387-392.	1.3	14

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127	Microstructure, optical and magnetic properties of micro-crystalline $\hat{\Gamma}^3$ -MnS film prepared by chemical bath deposition method. <i>Materials Science in Semiconductor Processing</i> , 2017, 72, 67-71.	4.0	14
128	On the preparation of Tri-vanadium hepta-oxide thin films for electrochromic applications. <i>Vacuum</i> , 2019, 160, 238-245.	3.5	14
129	Molybdenum oxide (MoO_3) thin film based electrochromic cell characterisation in 0.1M LiClO_4 PC electrolyte. <i>Surface Engineering</i> , 2009, 25, 548-554.	2.2	13
130	Structural, optical and electrochromic properties of $\text{Nb}_2\text{O}_5:\text{MoO}_3$ (95:5, 90:10, and 85:15) thin films prepared by RF magnetron sputtering technique. <i>Materials Letters</i> , 2018, 229, 189-192.	2.6	13
131	A detailed analysis on optical parameters of spinel structured Mn_3O_4 thin films deposited by nebulized spray pyrolysis technique. <i>Optical Materials</i> , 2021, 111, 110580.	3.6	13
132	Characterization of reactive DC magnetron sputtered TiAlN thin films. <i>Crystal Research and Technology</i> , 2008, 43, 1078-1082.	1.3	12
133	Structural and electrical studies of LiMnVO_4 cathode material for rechargeable lithium batteries. <i>Ionics</i> , 2012, 18, 31-37.	2.4	12
134	Synthesis and characterization of In_2O_3 nanoparticles. <i>Journal of the Korean Physical Society</i> , 2014, 64, 254-262.	0.7	12
135	$\hat{\Gamma}^3$ -MnS films with 3D microarchitectures: comprehensive study of the synthesis, microstructural, optical and magnetic properties. <i>CrystEngComm</i> , 2018, 20, 578-589.	2.6	12
136	Temperature induced thermochromism of $m\text{-BiVO}_4$ thin films prepared by sol-gel spin coating technique. <i>Materials Letters</i> , 2021, 285, 129200.	2.6	12
137	Epitaxial lattice matching between epi-n-IZO thin films and $\sim 100\%$ Si, GaAs and InP wafers with out any buffer layers by L-MBE technique: a novel development for III-V opto-electronic devices. <i>Materials Chemistry and Physics</i> , 2004, 84, 14-19.	4.0	11
138	Study of the potassium ion insertion of the electrodeposited electrochromic tungsten trioxide thin films. <i>Ionics</i> , 2004, 10, 151-154.	2.4	11
139	Microtube-Czochralski ($\hat{\Gamma}^4\text{T-CZ}$) growth of bulk benzophenone single crystal for nonlinear optical applications. <i>Optical Materials</i> , 2005, 27, 1864-1868.	3.6	11
140	Preparation and characterisation of nanostructured tin oxide (SnO_2) films by sol-gel spin coating technique. <i>Surface Engineering</i> , 2006, 22, 268-276.	2.2	11
141	Effect of carbon coating on the electrochemical properties of Bi_2WO_6 nanoparticles by PVP-assisted sonochemical method. <i>Journal of Applied Electrochemistry</i> , 2015, 45, 473-485.	2.9	11
142	Influence of metals on the structural, vibrational, and electrical properties of lithium nickel phosphate. <i>Ionics</i> , 2015, 21, 345-357.	2.4	11
143	$\text{Al}_2\text{O}_3:\text{Cr}_2\text{O}_3:\text{CuO}$ (1:1:1) thin film prepared by radio frequency magnetron sputtering technique: a promising material for high sensitive room temperature ammonia sensor. <i>Materials Research Express</i> , 2019, 6, 066422.	1.6	11
144	Brown coloration and electrochromic properties of nickel doped TiO_2 thin films deposited by nebulized spray pyrolysis technique. <i>Thin Solid Films</i> , 2020, 694, 137754.	1.8	11

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145	WO ₃ /TiO ₂ hierarchical nanostructures for electrochromic applications. <i>Materials Science in Semiconductor Processing</i> , 2021, 123, 105515.	4.0	11
146	Growth aspects of barium oxalate monohydrate single crystals in gel medium. <i>Crystal Research and Technology</i> , 2008, 43, 1307-1313.	1.3	10
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